

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Hironori OKADO

Application No.: New U.S. Patent Application

Filed: September 4, 2003

Docket No.: 116710

For: ANTENNA AND DIELECTRIC SUBSTRATE FOR ANTENNA

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 CFR §1.56, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO-1449. Unless otherwise indicated herein, one copy of each reference is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

- ☒ 1. This Information Disclosure Statement is being filed (a) within three months of the U.S. filing date of this non-CPA application, OR (b) before the mailing date of a first Office Action on the merits in the present application. No certification or fee is required.
- ☒ 2. Relevance of the references 1, 5, 6, 8-10 and 12 is discussed in the present specification.
- ☒ 3. The present application was filed or entered the U.S. National Stage of the PCT after June 30, 2003. In accordance with the June 11, 2003, Notice waiving the requirements of 37 C.F.R. §1.98(a)(2)(i), copies of any U.S. patents and patent application publications are not attached.
- ☒ 4. English-language Abstracts of the non-English language references 5-8 are attached hereto.

- ☒ 5. A computer-generated English translation of the following Japanese Patent Publication has been obtained from the website of the Japanese Patent Office (<http://www.jpo.go.jp>), and is attached, but has not been reviewed for accuracy. See Reference 8.

Respectfully submitted,



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<p><b>DEPOSIT ACCOUNT USE AUTHORIZATION</b> Please grant any extension necessary for entry; Charge any fee due to our Deposit Account No. 15-0461</p>
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Form PTO-1449 (REV. 8-83)		US Dept. of Commerce PATENT & TRADEMARK OFFICE		ATTY DOCKET NO. 116710		APPLICATION NO.	
INFORMATION DISCLOSURE STATEMENT  (Use several sheets if necessary)				APPLICANT Hironori OKADO			
				FILING DATE September 4, 2003			
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	
	1	US 2002/0122010 A1	09/05/2002	McCorkle			
	2	US 6,351,246 B1	02/26/2002	McCorkle			
	3	US 6,515,626 B2	02/04/2003	Bark et al.			
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	
	4	JU-S31-000709-Y	01/21/1956	Japan			
	5	JP A 55-4109 w/abstr.	01/12/1980	Japan			
	6	JP A 57-142003 w/abstr.	09/02/1982	Japan			
	7	JP A 63-275204 w/abstr.	11/11/1988	Japan			
	8	JP A 8-213820 w/abstr. and trans.	08/20/1996	Japan			
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)							
	9	Honda et al., "Improved Input Impedance of Circular Disc Monopole Antenna," Spring National Convention of The Institute of Electronics, Information and Communication Engineers, pp. 2-131, B-131, 1992					
	10	Ihara et al., "Broadband Characteristics of Semi-Circular Antenna combined with Linear Element," General Convention of The Society of Electronics, Information and Communication Engineers, pp. 77, B-77, 1996					
	11	Ihara et al., "A small Broadband Antenna with Rounded Semi-Circular Element," Society Conference of The Institute of Electronics, Information and Communication Engineers, pp.78, B-78, 1996					
	12	Honda et al., "Wideband Monopole Antenna of Circular Disc," Technical Reports of The Institute of Television," Vol, 15, No. 59, pp. 25-30					
EXAMINER					DATE CONSIDERED		
Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

Date: September 4, 2003